

FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION <small>(Use several sheets if necessary)</small>	Docket Number: 758.1217US01	Application Number: 09/871,582
		Applicant: BARRIS et al.
		Filing Date: 05/31/2001
		Group Art Unit: 1724



EXAMINEE R DATE 10/10/01 PERSON REFERRED DR. J. S. BROWN
COMMENCEMENT OF INVESTIGATION 10/10/01 DATE OF REPORT 10/10/01
and not considered. Include copy of this form for next communication to the Applicant.

O P E R A T I O N DEC 03 2001 PATENT & TRADEMARK FORM 1449*			Docket Number: 758.1217US01	Application Number: 09/871,582
INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)			Applicant: BARRIS ET AL.	
			Filing Date: 05/31/2001	Group Art Unit: 1724

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Jay	2,835,341	05/1958	Parker, Jr.			
Jay	2,980,204	04/1961	Jordan			
Jay	3,102,793	09/1963	Alban			
Jay	3,236,679	02/1966	Spiller et al.			
Jay	3,251,475	05/1966	Till et al.			
Jay	3,258,900	07/1966	Harms			
Jay	3,360,598	12/1967	Earnhart			
Jay	3,565,979	02/1971	Palmer			
Jay	3,570,675	03/1971	Pall et al.			
Jay	3,689,608	09/1972	Hollberg et al.			
Jay	3,745,748	07/1973	Goldfield et al.			
Jay	3,755,527	08/1973	Keller et al.			
Jay	3,772,136	11/1973	Workman			
Jay	3,825,380	07/1974	Harding et al.			
Jay	3,839,529	10/1974	Serres et al.			
Jay	3,851,023	11/1974	Brethauer et al.			
Jay	3,888,610	06/1975	Brackmann et al.			
Jay	3,994,258	11/1976	Simm			
Jay	4,011,067	03/1977	Carey, Jr.			
Jay	4,020,230	04/1977	Mahoney et al.			
Jay	4,020,783	05/1977	Anderson et al.			
Jay	4,135,899	01/1979	Gauer			
Jay	4,143,196	03/1979	Simm et al.			
Jay	4,148,595	04/1979	Bednarz			
Jay	4,210,615	07/1980	Engler et al.			
Jay	4,215,682	08/1980	Kubik et al.			
Jay	4,223,101	09/1980	Fine et al.			
Jay	4,230,650	10/1980	Guignard			

EXAMINER <i>Jay M. Greene</i>	DATE CONSIDERED <i>Sep. 19, 2002</i>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.	

FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)				Docket Number: 758.1217US01	Application Number: 09/871,582
				Applicant: BARRIS ET AL.	
				Filing Date: 05/31/2001	Group Art Unit: 1724

DEC 03 2001
U.S. PATENT & TRADEMARK OFFICE
O P E J C A 1

	4,242,115	12/1980	Harold et al.				
	4,261,710	04/1981	Sullivan				
	4,278,623	07/1981	Niegisch				
	4,290,987	09/1981	Soehngen et al.				
	4,323,525	04/1982	Bornat				
	4,331,459	05/1982	Copley				
	4,340,479	07/1982	Pall				
	4,350,509	09/1982	Alseth et al.				
	4,359,330	11/1982	Copley				
	4,364,751	12/1982	Copley				
	4,370,290	01/1983	Makino et al.				
	4,468,428	08/1984	Early et al.				
	4,507,203	03/1985	Johnston				
	4,650,506	03/1987	Barris et al.				
	4,689,186	08/1987	Bornat				
	4,720,292	01/1988	Engel et al.				
	4,824,451	04/1989	Vogt et al.				
	4,826,519	02/1989	Miyagi et al.				
	4,842,505	06/1989	Annis et al.				
	4,842,924	06/1989	Farris et al.				
	4,874,399	10/1989	Reed et al.				
	4,900,671	02/1990	Pokora et al.				
	4,915,886	04/1990	Repetti et al.				
	4,929,502	05/1990	Giglia				
	4,992,515	02/1991	Ballard				
	5,030,264	07/1991	Klotz et al.				
	514,720,292	09/1991	Engel et al.				
	5,082,476	01/1992	Kahlbaugh et al.				
	5,104,537	04/1992	Stifelman et al.				
	5,112,372	05/1992	Boeckermann et al.				
	5,125,941	06/1992	Ernst et al.				

EXAMINER <i>Jean M. Kline</i>	DATE CONSIDERED <i>Sep. 17, 2002</i>
-------------------------------	--------------------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.

FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)				Docket Number: 758.1217US01	Application Number: 09/871,582
				Applicant: BARRIS ET AL.	
				Filing Date: 05/31/2001	Group Art Unit: 1724

*DEC 03 2001
U.S. PATENT & TRADEMARK OFFICE
OCT 16 2001
SEARCHED INDEXED
SERIALIZED FILED*

5,203,201	04/1993	Gogins				
5,238,474	08/1993	Kahlbaugh et al.				
5,238,735	08/1993	Nagou et al.				
5,273,565	12/1993	Milligan et al.				
5,364,456	11/1994	Kahlbaugh et al.				
5,401,285	03/1995	Gillingham et al.				
5,411,576	05/1995	Jones et al.				
5,472,481	12/1995	Jones et al.				
5,494,497	02/1996	Lee				
5,496,507	03/1996	Angadjivand et al.				
5,613,992	03/1997	Engel				
5,672,399	09/1997	Kahlbaugh et al.				
5,740,774	04/1998	Kennedy				
5,759,217	06/1998	Joy				
5,762,665	06/1998	Abrahamian et al.				
5,820,646	10/1998	Gillingham et al.				
5,853,442	12/1998	Glen et al.				
5,863,701	01/1999	Mertesdorf				
5,902,361	05/1999	Pomplun et al.				
5,908,598	06/1999	Rousseau et al.				
5,919,847	07/1999	Rousseau et al.				
5,954,849	09/1999	Berkhoel et al.				
5,968,635	10/1999	Rousseau et al.				
5,976,208	11/1999	Rousseau et al.				
Des. 416,308	11/1999	Ward et al.				
6,002,017	12/1999	Rousseau et al.				
6,048,661	04/2000	Nishi et al.				
6,051,042	04/2000	Coulonvaux				
Des. 425,189	05/2000	Gillingham et al.				
6,068,799	05/2000	Rousseau et al.				
6,099,606	08/2000	Miller et al.				

EXAMINER <i>Jean M. Shrine</i>	DATE CONSIDERED <i>Sep. 17, 2002</i>
--------------------------------	--------------------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.

FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)			Docket Number: 758.1217US01	Application Number: 09/871,582
			Applicant: BARRIS ET AL.	
			Filing Date: 05/31/2001	Group Art Unit: 1724

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
<i>Jerry</i>	745,030	02/1956	GB				
<i>Jerry</i>	969,327	08/1960	GB				
<i>Jerry</i>	WO 99/16532	04/1999	PCT				
<i>Jerry</i>	WO 00/01737	01/2000	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>Jerry</i>	Adanur, S. et al., "Recovery and Reuse of Waste PVC Coated Fabrics. Part 1: Experimental Procedures and Separation of Fabric Components", <i>Jour. of Coated Fabrics</i> , Vol. 28, pp. 37-55 (July 1998)
<i>Jerry</i>	Angelo, R. et al., "Preparation and Characterization of Selectively Isotopically Labeled Nylon 66 Polymers", <i>Macromolecules</i> , Vol. 22, pp. 117-121 (1989)
<i>Jerry</i>	Basutkar, P. et al., "Synthesis and Characterization of Phenylated Aromatic Poly(amide-amides)", <i>Jour. of Applied Polymer Science</i> , Vol. 68, pp. 1523-1530 (1998)
<i>Jerry</i>	Baumgarten, P., "Electrostatic Spinning of Acrylic Microfibers", <i>Jour. of Colloid and Interface Science</i> Vol. 36, No. 1, 9 pages (May 1971)
<i>Jerry</i>	Benavente, J. et al., "Electrical Properties of Modified Aromatic Polyamide Membranes", <i>Separation Science and Technology</i> , Vol. 32, No. 13, pp. 2189-2199 (1997)
<i>Jerry</i>	Bognitzki, M. et al., "Polymer, Metal and Hybrid Nano- and Mesotubes by Coating of Degradable Polymer Template Fibers (Turf-process)", Philipps-University Marburg, Department of Chemistry, Mainz, Germany, pp. 45 and 46 (Date Unknown)
<i>Jerry</i>	Bognitzki, M. et al., "Submicrometer Shaped Polylactide Fibers by Electrospinning", Philipps-University Marburg, Department of Chemistry, Mainz, Germany, pp. 115 and 116 (Date Unknown)
<i>Jerry</i>	Chun, I. et al., "Carbon Nanofibers from Polyacrylonitrile and Mesophase Pitch" <i>Jour. of Advanced Materials</i> , Vol. 31, No. 1, pp. 36-41 (January 1999)
<i>Jerry</i>	Deitzel, J. et al., "Generation of Polymer Nanofibers Through Electrospinning", <i>Army Research Labm Aberdeen Proving Ground, MD 21005-5066, ARI-TR-1898</i> , pp 1-36 (June 1999)
<i>Jerry</i>	Dhawan, S. et al., "Conducting Fabrics as a Shield Against Electromagnetic Interference (EMI)", <i>Jour. of Coated Fabrics</i> , Vol. 28, pp. 29-36 (July 1998)
<i>Jerry</i>	Donaldson® Brochure, Ultra-Web® "Premium Quality-High Efficiency Filters", 4 pages (1994)
<i>Jerry</i>	Donaldson Brochure, Donaldson® Gas Turbine Systems, DZ2000™ Panel Filters with Spider-Web® Filter Media, 4 pages (1997)
<i>Jerry</i>	Donaldson® High Purity Products Brochure, "High Efficiency Cleanroom Filters", 4 pages (1997)

EXAMINER <i>Jean M. Giese</i>	DATE CONSIDERED <i>Sep. 19, 2002</i>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.	

FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)		Docket Number: 758.1217US01	Application Number: 09/871,582
		Applicant: BARRIS ET AL.	
		Filing Date: 05/31/2001	Group Art Unit: 1724

O I P E
DEC 03 2001

<i>Jmz</i>	Donaldson Brochure, "Eon™ Fine Fiber Technology by Donaldson, 6 pages (1999)
<i>Jmz</i>	Donaldson® Brochure, Tech Topics, "Do Spider-Web Replacement Filters Really 'Cost' Extra? Analysis Shows How Savings from High Performance Far Outweigh a Premium Price", 2 pages (July 1999)
<i>Jmz</i>	Donaldson Brochure, "...the air inside your cab is like the prairie in springtime!", 2 pages (before September 5, 2000)
<i>Jmz</i>	Donaldson® Brochure, Filtration Solutions for Gas Turbines, Generators, and Compressors , "DZ2000 Air Filter Media, The Longer Life, Higher Value Filter Media for Gas Turbine Inlet Air Filter Systems", 4 pages (December 2000)
<i>Jmz</i>	Doshi, J., "The Electrospinning Process and Applications of Electrospun Fibers", <i>UMI Dissertation Services</i> , University of Akron, pp. 1-170, including sections (August 1994)
<i>Jmz</i>	Fang, X., "Application of Electrospinning for Polymers", <i>UMI Dissertation Services</i> , University of Akron, pp. 1-68, including sections (August 1997)
<i>Jmz</i>	Gibson, P. et al., "Electrospinning Technology: Direct Application of Tailorable Ultrathin Membranes", <i>Jour. of Coated Fabrics</i> , Vol. 28, pp. 63-72 (July 1998)
<i>Jmz</i>	Gießmann, A. et al., "Multipurpose Production Line for the Coated Textile Industry", <i>Jour. of Coated Fabrics</i> , Vol. 28, pp. 56-79 (July 1998)
<i>Jmz</i>	Huang, M. et al., "The Modification of Nylon 6 by a Phenol-Formaldehyde Resin", <i>Jour. of Applied Polymer Science</i> , Vol. 48, pp. 563-572 (1993)
<i>Jmz</i>	Huang, R. et al., "Crosslinked Blended Poly(vinyl alcohol)/N-Methylol Nylon-6 Membranes for the Pervaporation Separation of Ethanol-Water Mixtures", <i>Jour. of Applied Polymer Science</i> , Vol. 70, pp. 317-327 (1998)
<i>Jmz</i>	Huang, T. "Modification of Nylon 6 by Phenol-Containing Polymers" <i>Jour. of Applied Polymer Science</i> , Vol. 73, pp. 295-300 (1999)
<i>Jmz</i>	Kim, J. et al., "Polybenzimidazole Nanofiber Produced by Electrospinning", <i>Polymer Engineering And Science</i> Vol. 39, No. 5, pp. 849-854 (May 1999)
<i>Jmz</i>	Kirichenko, V. et al., "Acceleration of a Free Jet of Low-conducting Liquid in an Electric Field", <i>Sov. Phys. Dokl.</i> Vol. 35, No. 12, pp. 564-566 (December 1990)
<i>Jmz</i>	Kirichenko, V. et al., "Charge Transfer due to the Electrohydrodynamic Atomization of a Liquid", <i>Sov. Phys. Dokl.</i> , Vol. 33, No. 8, pp. 564-566 (August 1988)
<i>Jmz</i>	Kirichenko, V. et al., "Domains of Existence of Free, Stationary Liquid Jets in a Strong External Electric Field", <i>Sov. Phys. Dokl.</i> , Vol. 32, No. 7, pp. 544-547 (July 1987)
<i>Jmz</i>	Kirichenko, V. et al., "Gas Flow and Filtration Through Permeable Channel Walls", <i>Phys. Dokl.</i> , Vol. 38, No. 4, pp. 139-141 (April 1993)
<i>Jmz</i>	Kirichenko, V. et al., "Shape of a Free, Stationary Liquid Jet in a Strong Uniform Electric Field", <i>Sov. Phys. Dokl.</i> , Vol. 32, No. 7, pp. 546-547 (July 1987)
<i>Jmz</i>	Kirichenko, V. et al., "Specific Charge of the Liquid in Electrohydrodynamic Atomization and Microfilament Forming Processes", <i>Sov. Phys. Dokl.</i> , Vol. 35, No. 12, pp. 1015-1020 (December 1990)
<i>Jmz</i>	Kirichenko, V. et al., "Transverse Splitting of a Liquid Jet in a Strong Electric Field", <i>Sov. Phys. Dokl.</i> , Vol. 33, No. 9, pp. 653-654 (September 1988)
<i>Jmz</i>	Mahajan, S. et al., "Fibrillation Behavior of Oriented Tapes of Polyethylene and Its Blends. IV", <i>Jour. of Applied Polymer Science</i> , Vol. 60, pp. 1551-1560 (1996)
<i>Jmz</i>	Marijnissen, J., "Electrosprays with Applications in Aerosol Technology and Material Synthesis", 1994 International Aerosol

EXAMINER <i>Jean M. Goss</i>	DATE CONSIDERED <i>Sep. 19, 2002</i>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.	

FORM 1449* INFORMATION DISCLOSURE STATEMENT		Docket Number 758.1217US01	Application Number: 09/871,582
IN AN APPLICATION (Use several sheets if necessary)		Applicant: BARRIS ET AL.	
		Filing Date: 05/31/2001	Group Art Unit: 1724

O I P E S O C A T I O N
DEC 03 2001

<i>Jm</i>	Conference Tutorial Sessions, Los Angeles, California, pp. 1-67 (August 29, 1994)
<i>Jm</i>	Maslowski, E. et al., "New Processes for Fiber-Like PE Structures", <i>Fiber World</i> , pp. 12-14 (March 1987)
<i>Jm</i>	National Textile Center, "Electrostatic Spinning and Properties of Ultrafine Fibers", http://www.ntcresearch.org/currently/year8/M98-DOI.htm , last updated 05/19/1999, pp. 1-4
<i>Jm</i>	Ohzawa, Y. et al., "Studies on Dry Spinning. I. Fundamental Equations", <i>Jour. of Applied Polymer Science</i> Vol. 13, pp. 257-283 (1969)
<i>Jm</i>	Ohzawa, Y. et al., "Studies on Dry Spinning. II. Numerical Solutions for Some Polymer-Solvent Systems Based on the Assumption that Drying is Controlled by Boundary-Layer Mass Transfer" <i>Jour. of Applied Polymer Science</i> , Vol. 14, pp. 1879-1899 (1970)
<i>Jm</i>	Petryanov, I. et al., "Adhesion of Finely Dispersed Particles to the Surface of Coating Materials", <i>Translated from Doklady Akademii Nauk SSSR</i> , Vol. 288, No. 5, pp. 515-51, Original Article submitted July 3, 1985.
<i>Jm</i>	SBCCOM-Natick Public Affairs, "Army Teams with Universities to Develop Electrospun Membranes and Fabrics for Soldier Protection", http://www.Natick.army.mil/pao/1998/98-26.htm , last updated 0/27/00, pp. 1-2
<i>Jm</i>	Shambaugh, R., "A Macroscopic View of the Melt-Blowing Process for Producing Microfibers", <i>Ind. Eng. Chem. Res.</i> , Vol. 27, No. 12, pp. 2363-2372 (1988)
<i>Jm</i>	Shepelev, A. et al., "Polymeric Fiber Materials for Fine Cleaning of Gases", <i>J. Aerosol Sci., Suppl. 1</i> , Vol. 26, pp. 591-5920, (1995)
<i>Jm</i>	Shieh, J. et al., "Preparation of N-Methylol Nylon-6 Membranes for Pervaporation of Ethanol-Water Mixtures" <i>Department of Chemical Engineering, University of Waterloo, Ontario N2L 3G1, Canada</i> , pp. 855-863 (Received 24 June 1996)
<i>Jm</i>	Sione, J., "The Coating Company of the Future", <i>Jour. of Coated Fabrics</i> , Vol. 28, pp. 73-79 (July 1998)
<i>Jm</i>	Smith, J., "Cellulose Acetate Fibrets: a Fibrillated Pulp with High Surface Area", <i>Tappi Journal</i> , pp. 185-193 (December 1988)
<i>Jm</i>	Smith, R. et al., "Phase Behavior and Reaction of Nylon 6/6 in Water at High Temperatures and Pressures" <i>Jour. of Applied Polymer Science</i> , Vol. 76, pp. 1062-1073 (2000)
<i>Jm</i>	"Survey of Soluble Polyamide Patents", RT-2488R, pp 1-6 (October 14, 1954)
<i>Jm</i>	Taylor, G., "Viscosity And Molecular Weight of Nylon. The Relation of the Viscosity of Nylon Solutions in Formic Acid to Molecular Weight as Determined by End-Group Measurements", <i>Contribution From The Chemical Department, Experimental Station, E.I. Du Pont De Nemours & Company</i> , pp. 635-637 (March 1947)
<i>Jm</i>	Wadsworth, L. et al., "Development of Highly Breathable and Effective Blood/Viral Barrier Laminates of Microporous Films, Staple Fibers and Nonwovens", <i>Jour. of Coated Fabrics</i> , Vol. 28, pp. 12-28 (July 1998)
<i>Jm</i>	Wang, F. et al. "Hydrogen Bonding in Polyamide Toughened Novolac Type Phenolic Resin", <i>Jour. of Applied Polymer Science</i> Vol. 74, pp. 2283-2289 (1999)
<i>Jm</i>	Wang, H. et al., "Synthesis and Properties of Nylon 6 Modified with Various Aromatic Polyamides" <i>Jour. of Applied Polymer Science</i> , Vol. 68, pp. 1031-1043 (1998)
<i>Jm</i>	Wente, V., "Superfine Thermoplastic Fibers", <i>Industrial And Bio _____ Chemistry</i> , Naval Research Laboratory, Washington 25, D.C., Vol. 48, No. 8, pp 1342-1346 (August 1986)
<i>Jm</i>	Declaration of Doug Crofoot with Exhibits A and B, dated September 10, 2001

EXAMINER <i>Jam M. Kline</i>	DATE CONSIDERED <i>Sep. 19, 2002</i>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.	

FORM 1449*  INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION JUN 14 2002 (Use several sheets if necessary)	Docket Number: 758.1217US01 Applicant: BARRIS ET AL. Filing Date: 05/31/2001 Group Art Unit: 1724
---	---

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

RECEIVED
JUN 27 2002
TC 1



EXAMINER	J. M. Leone	DATE CONSIDERED	Sep. 19 2002
----------	-------------	-----------------	--------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.

<p style="text-align: center;">INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)</p> <p style="text-align: right;">JUL 09 2002 U.S. PATENT & TRADEMARK OFFICE RECEIVED</p>	Docket Number:	Application Number:
	7581217US01	09/871,582
	Applicant: BARRIS ET AL.	
	Filing Date: 05/31/2001	Group Art Unit: 1724

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
<i>Jerry</i>	0 489 395 A1	06/10/1992	EP			✓	
<i>Jerry</i>	05195322 A2 (Abstract)	08/03/1993	JP			✓	
<i>Jerry</i>	05239778 A2 (Abstract)	09/17/1993	JP			✓	
<i>Jerry</i>	06057530 A2 (Abstract)	03/01/1994	JP			✓	
<i>Jerry</i>	06057531 A2 (Abstract)	03/01/1994	JP			✓	
<i>Jerry</i>	06264301 A2 (Abstract)	09/20/1994	JP			✓	
<i>Jerry</i>	WO 94/18364	08/18/1994	PCT			✓	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

EXAMINER *P. J. Decker* DATE INSPECTED *3 / 15 / 12* 23542
EXAMINER Initials and date indicated, whether or not claim is in conformance with PEP 608; draw line through citation and not considered. Include copy of this form for next communication to the Applicant.